

STN Columbus

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 APR 02 CAS Registry Number Crossover Limits Increased to
500,000 in Key STN Databases
NEWS 3 APR 02 PATDPAFULL: Application and priority number formats
enhanced
NEWS 4 APR 02 DWPI: New display format ALLSTR available
NEWS 5 APR 02 New Thesaurus Added to Derwent Databases for Smooth
Sailing through U.S. Patent Codes
NEWS 6 APR 02 EMBASE Adds Unique Records from MEDLINE, Expanding
Coverage back to 1948
NEWS 7 APR 07 CA/CAPLUS CLASS Display Streamlined with Removal of
Pre-IPC 8 Data Fields
NEWS 8 APR 07 50,000 World Traditional Medicine (WTM) Patents Now
Available in CAPLUS
NEWS 9 APR 07 MEDLINE Coverage Is Extended Back to 1947
NEWS 10 JUN 16 WPI First View (File WPIFV) will no longer be
available after July 30, 2010
NEWS 11 JUN 18 DWPI: New coverage - French Granted Patents
NEWS 12 JUN 18 CAS and FIZ Karlsruhe announce plans for a new
STN platform
NEWS 13 JUN 18 IPC codes have been added to the INSPEC backfile
(1969-2009)
NEWS 14 JUN 21 Removal of Pre-IPC 8 data fields streamline displays
in CA/CAPLUS, CASREACT, and MARPAT
NEWS 15 JUN 21 Access an additional 1.8 million records exclusively
enhanced with 1.9 million CAS Registry Numbers --
EMBASE Classic on STN
NEWS 16 JUN 28 Introducing "CAS Chemistry Research Report": 40 Years
of Biofuel Research Reveal China Now Atop U.S. in
Patenting and Commercialization of Bioethanol
NEWS 17 JUN 29 Enhanced Batch Search Options in DGENE, USGENE,
and PCTGEN
NEWS 18 JUL 19 Enhancement of citation information in INPADOC
databases provides new, more efficient competitor
analyses

NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,
AND CURRENT DISCOVER FILE IS DATED 15 JANUARY 2010.

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specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 22:49:21 ON 20 JUL 2010

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'REGISTRY' ENTERED AT 22:49:35 ON 20 JUL 2010
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 19 JUL 2010 HIGHEST RN 1233120-12-1
DICTIONARY FILE UPDATES: 19 JUL 2010 HIGHEST RN 1233120-12-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 8, 2010.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

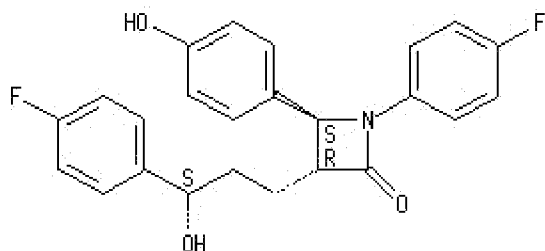
```
=> e ezetimibe/cn
E1      1      EZENTIA/CN
E2      1      EZESLIDE/CN
E3      1 -->  EZETIMIBE/CN
E4      1      EZETIMIBE GLUCURONIDE/CN
E5      1      EZETIMIBE MONOHYDRATE/CN
E6      1      EZETROL/CN
E7      1      EZFENI/CN
E8      1      EZG-60G/CN
E9      1      EZH 2/CN
E10     1      EZH1/CN
E11     1      EZH2 PROTEIN (XENOPUS LAEVIS CLONE MGC:79865 IMAGE:5073002 G
          ENE EZH2)/CN
E12     1      EZH4/CN

=> s e3
L1      1      EZETIMIBE/CN

=> d

L1      ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2010 ACS on STN
RN      163222-33-1  REGISTRY
ED      Entered STN:  24 May 1995
CN      2-Azetidinone, 1-(4-fluorophenyl)-3-[(3S)-3-(4-fluorophenyl)-3-
          hydroxypropyl]-4-(4-hydroxyphenyl)-, (3R,4S)- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN      2-Azetidinone, 1-(4-fluorophenyl)-3-[3-(4-fluorophenyl)-3-hydroxypropyl]-4-
          (4-hydroxyphenyl)-, [3R-[3 $\alpha$ (S*),4 $\beta$ ]]-
OTHER NAMES:
CN      (-)-Sch 58235
CN      1-(4-Fluorophenyl)-3(R)-[3-(4-fluorophenyl)-3(S)-hydroxypropyl]-4(S)-(4-
          hydroxyphenyl)azetidin-2-one
CN      Ezedoc
CN      Ezentia
CN      Ezetimibe
CN      Ezetrol
CN      Ezta
CN      Sch 58235
CN      Zetia
FS      STEREOSEARCH
MF      C24 H21 F2 N O3
CI      COM
SR      CA
LC      STN Files:  ADISINSIGHT, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA,
          CAPLUS, CASREACT, CBNB, CHEMCATS, CIN, EMBASE, HSDB*, IMSDRUGNEWS,
          IMSPATENTS, IMSPRODUCT, IMSRESEARCH, IPA, MEDLINE, MRCK*, PATDPASPC,
          PROMT, PROUSDDR, PS, RTECS*, SYNTHLINE, TOXCENTER, USAN, USPAT2,
          USPATFULL
          (*File contains numerically searchable property data)
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Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1137 REFERENCES IN FILE CA (1907 TO DATE)
20 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1167 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file merck
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
8.09	8.31

FULL ESTIMATED COST

FILE 'MRCK' ENTERED AT 22:50:05 ON 20 JUL 2010

COPYRIGHT (C) 2006, 2010 Merck Sharp & Dohme Corp., a subsidiary of Merck & Co., Whitehouse S

FILE COVERS FROM LATE 19TH CENTURY TO PRESENT. LAST UPDATE: FEBRUARY 2010

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=> s l1

L2 1 L1

=> d all

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MERCK Number (MNO): 1403918

CAS Registry No. (RN): **163222-33-1**

MERCK Index Name (MIN): Ezetimibe

CA Index Name (CN): (3R,4S)-1-(4-Fluorophenyl)-3-[(3S)-3-(4-fluorophenyl)-3-hydroxypropyl]-4-(4-hydroxyphenyl)-2-azetidinone

Drug Code(s) (CN): Sch-58235

Trade Name(s) (CN): Ezetrol (Merck/Schering-Plough Pharmaceuticals (joint venture of Merck & Co., Inc. and Schering-Plough Corp.); Merck/Schering-Plough); Zetia (Merck/Schering-Plough Pharmaceuticals (joint venture of Merck & Co., Inc. and Schering-Plough Corp.); Merck/Schering-Plough)

File Segment. (FS): Active Monographs

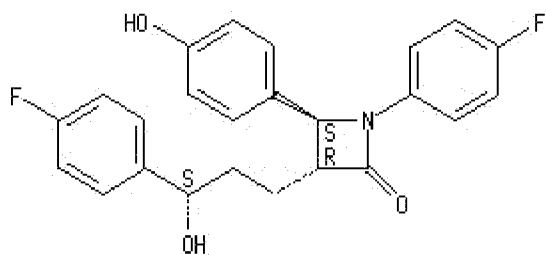
Molecular Form. (MF): C24 H21 F2 N O3

Wgt Composition (COMP): C 70.40%, H 5.17%, F 9.28%, N 3.42%, O 11.72%.

Molecular Weight (MW): 409.43

References (RE): Cholesterol absorption inhibitor. Prepn: S. B. Rosenblum et al., WO 9508532; eadem, US 5767115 (1995, 1998 both to Schering); idem et al., J. Med. Chem. 41, 973 (1998) DOI: 10.1021/jm970701f PMID: 9526571. Enantioselective synthesis: G. Wu et al., J. Org. Chem. 64, 3714 (1999) DOI: 10.1021/jo990428k PMID: 11674502. Activity in animals: M. van Heek et al., J. Pharmacol. Exp. Ther. 283, 157 (1997) PMID: 9336320. Metabolism and distribution: eadem, Br. J. Pharmacol. 129, 1748 (2000) DOI: 10.1038/sj.bjp.0703235 PMID: 10780982. Review of pharmacology and clinical studies: H. Bays, Expert Opin. Invest. Drugs 11, 1587-1604 (2002) DOI: 10.1517/13543784.11.11.1587 PMID: 12437505.

Absolute stereochemistry. Rotation (-).



Melting Point (MP):

Value
MP
deg C
=====

164 - 166

Optical Rotatory Power (ORP):

Value	Temp.	Spectral Line	Note
ORP	ORP.T	ORP.SL	
deg	deg C		
-33.9	22	D	(c = 3 in methanol)

Other Properties (OCP):

White solid, mp 164-166° . $[\alpha]_{D22} -33.9^\circ$ (c = 3 in methanol) .

Therapeutic Codes (THER):

Antilipemic.; Antilipemic; Others

Referenced Patent (RPN):

WO9508532; US5767115

=> log y

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

4.06

12.37

STN INTERNATIONAL LOGOFF AT 22:52:21 ON 20 JUL 2010